

Patent Application of Nikolai A. Beloreshki and Temenuzhka B. Beloreshka
Double Joints Pavement System

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AMENDMENTS TO THE CLAIMS

Please amend the Claims as follows:

CLAIMS

We claim:

1. (Currently Amended) A reinforcing beam for use between adjacent concrete or asphalt slabs, said reinforcing beam comprised of a rigid material, said beam having a vertical cross-section comprising:

an isosceles trapezoid having a bottom base [with a bottom base] of pre-determined length and a top base of pre-determined length opposite said bottom base [with a top base length], said bottom base length being greater than said top base length[, and];

a rectangle above said isosceles trapezoid and joined to said top base along a rectangle base [with a rectangle base] of pre-determined length, said rectangle base length being not greater than said top base length[.];

said isosceles trapezoid further comprises a first slanted side connecting said top base to said bottom base, and said first slanted side comprises a first water stop;

wherein said water stop comprises a horizontal groove and a bituminous or sheet water barrier.

2. (Cancelled) [A reinforcing beam for use between adjacent concrete or asphalt slabs, said reinforcing beam comprised of a rigid material, said beam comprising a vertical panel and a horizontal panel.]

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3. (Previously presented) A method of using a pavement joint system for use in concrete and asphalt pavement comprising, a plurality of joint filler implements comprised of a rigid material, said plurality of joint filler implements being arranged in parallel rows, wherein parallel strips of pavement material may be filled into spaces between said plurality of joint filler implements.
4. (Previously presented) The reinforcing beam as described in Claim 1 in which said rigid material comprises concrete.
5. (Cancelled) [The reinforcing beam as described in Claim 1 in which said isosceles trapezoid further comprises a first slanted side connecting said top base to said bottom base, and

said first slanted side comprises a first water stop.]
6. (Currently Amended) The reinforcing beam as described in Claim [5] 1 in which said isosceles trapezoid further comprises a second slanted side opposite said first slanted side and connecting said top base to said bottom base, and

said second slanted side comprises a second water stop.
7. (Cancelled) [The reinforcing beam as described in Claim 6 in which each said water stop comprises a horizontal groove.]
8. (Cancelled) [The reinforcing beam as described in Claim 2 in which said rigid material comprises concrete.]
9. (Cancelled) [The reinforcing beam as described in Claim 2 in which said vertical panel further comprises a first side comprising a first water stop.]

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10. (Cancelled) [The reinforcing beam as described in Claim 9 in which said vertical panel further comprises a second side opposite said first side, and said second side comprises a second water stop.]

11. (Cancelled) [The reinforcing beam as described in Claim 10 in which each said water stop comprises a horizontal groove.]

12. (Previously presented) The method as described in Claim 3 in which said rigid material comprises concrete.

13. (Currently Amended) The method as described in Claim 3, in which the joint filler implement comprises a reinforcing beam having a vertical cross-section comprising:

an isosceles trapezoid having a bottom base [with a bottom base] of pre-determined length and a top base of pre-determined length opposite said bottom base [with a top base length], said bottom base length being greater than said top base length[, and];

a rectangle above said isosceles trapezoid and joined to said top base along a rectangle base [with a rectangle base] of pre-determined length, said rectangle base length being not greater than said top base length[.];

said isosceles trapezoid further comprises a first slanted side connecting said top base to said bottom base, and said first slanted side comprises a first water stop;

wherein said water stop comprises a horizontal groove and a bituminous or sheet water barrier.

14. (Cancelled) [The method as described in Claim 3, in which the joint filler implement comprises a reinforcing beam comprising a vertical panel and a horizontal panel.]